NCBI PubMed National Library of Medicine NLM

PubMed Nucleotide Protein Genome Structure PopSet Taxonomy OMIM Books

Search PubMed for Wilson-GB Go Clear

Limits Preview/Index History Clipboard Details

Display Summary Sort Save Text Clip Add Order

Show: 20 Items 1-20 of 54 Page 1 of 3 Select page: 1 2 3

Entrez PubMed

PubMed Services

Related Resources

1: Wilson GB, Poindexter C, Fort JD, Ludden KD. Related Articles

De novo initiation of specific cell-mediated immune responsiveness in chickens by transfer factor (specific immunity inducer) obtained from bovine colostrum and milk.
Acta Virol. 1988 Jan;32(1):6-18.
PMID: 2897772 [PubMed - indexed for MEDLINE]

2: Metcalf JF, Wilson GB. Related Articles

Use of mitogen-induced lymphocyte transformation to assess toxicity of aminoglycosides.
J Environ Pathol Toxicol Oncol. 1987 Mar-Apr;7(4):27-37.
PMID: 3598880 [PubMed - indexed for MEDLINE]

3: Hribar LJ, Wilson GB, Gerhardt RR. Related Articles

Infestations of lice on white-tailed deer, Odocoileus virginianus, in the Great Smoky Mountains National Park, Tennessee, USA.
J Wildl Dis. 1986 Apr;22(2):272. No abstract available.
PMID: 3712655 [PubMed - indexed for MEDLINE]

4: Wilson GB, McIntosh J, Dietrich J, Manning T. Related Articles

Controlled comparison of plasma and serum for cystic fibrosis protein.
Clin Genet. 1984 Oct;26(4):331-8.
PMID: 6499249 [PubMed - indexed for MEDLINE]

5: Vasily DB, Miller OF, Fudenberg HH, Goust JM, Wilson GB. Related Articles

Epidermodysplasia verruciformis: response to therapy with dialyzable leukocyte extract (transfer factor) derived from household contacts.
J Clin Lab Immunol. 1984 May;14(1):49-57.
PMID: 6086930 [PubMed - indexed for MEDLINE]

6: Wilson GB, Vertatschitsch EJ, Sarna SK, Sims SM. Related Articles

Analysis of smooth muscle constants by pole-zero method.
IEEE Trans Biomed Eng. 1984 Mar;31(3):310-6. No abstract available.
PMID: 6546926 [PubMed - indexed for MEDLINE]

7: Wilson GB, Fudenberg HH, Keller RH. Related Articles

Guidelines for immunotherapy of antigen-specific defects with transfer factor.
J Clin Lab Immunol. 1984 Feb;13(2):51-8.
PMID: 6202873 [PubMed - indexed for MEDLINE]

☐ **8:** Wilson GB, Paddock GV, Floyd E, Newell RT, Dopson MH. Related Articles

Dialyzable leukocyte extracts contain thymosin.
Thymus. 1984;6(3):167-80.
PMID: 6464097 [PubMed - indexed for MEDLINE]

☐ **9:** Wilson GB, Floyd E. Related Articles

Cystic fibrosis: "normalization" of monocyte-macrophage metabolism depends on the form of alpha 2-macroglobulin.
Ann N Y Acad Sci. 1983;421:404-9. No abstract available.
PMID: 6202213 [PubMed - indexed for MEDLINE]

☐ **10:** Wilson GB, Fudenberg HH. Related Articles

Does a primary host defense abnormality involving monocytes-macrophages underlie the pathogenesis of lung disease in cystic fibrosis?
Med Hypotheses. 1982 May;8(5):527-42.
PMID: 7109991 [PubMed - indexed for MEDLINE]

☐ **11:** Wilson GB, Metcalf JF, Fudenberg HH. Related Articles

Treatment of Mycobacterium fortuitum pulmonary infection with "transfer factor" (TF): new methodology for evaluating TF potency and predicting clinical response.
Clin Immunol Immunopathol. 1982 May;23(2):478-91. No abstract available.
PMID: 7049471 [PubMed - indexed for MEDLINE]

☐ **12:** Wilson GB, Paddock GV, Fudenberg HH. Related Articles

Bovine 'transfer factor': an oligoribonucleopeptide which initiates antigen-specific lymphocytes responsiveness.
Thymus. 1982;4(6):335-50.
PMID: 6191411 [PubMed - indexed for MEDLINE]

☐ **13:** Metcalf JF, John JF Jr, Wilson GB, Fudenberg HH, Harley RA. Related Articles

Mycobacterium fortuitum pulmonary infection associated with an antigen-selective defect in cellular immunity.
Am J Med. 1981 Sep;71(3):485-92.
PMID: 7025623 [PubMed - indexed for MEDLINE]

☐ **14:** Wilson GB, Fudenberg HH, Parise MT, Floyd E. Related Articles

Cystic fibrosis ciliary dyskinesia substances and pulmonary disease. Effects of ciliary dyskinesia substances on neutrophil movement in vitro.
J Clin Invest. 1981 Jul;68(1):171-83.
PMID: 7251858 [PubMed - indexed for MEDLINE]

☐ **15:** Wilson GB, Paddock GV, Fudenberg HH. Related Articles

Effects of dialyzable leukocyte extracts with transfer factor activity on leukocyte migration in vitro. V. Antigen-specific lymphocyte responsiveness can be initiated by two structurally distinct polyribonucleopeptides.
Thymus. 1981 Feb;2(4-5):257-6.
PMID: 6165106 [PubMed - indexed for MEDLINE]

☐ **16:** Fudenberg HH, Wilson GB, Smith CL. Related Articles

Immunotherapy with dialyzable leukocyte extracts and studies of their antigen-specific (transfer factor) activity.

Proc Virchow Pirquet Med Soc. 1980 Dec;34:3-87. Review. No abstract available.
PMID: 6270691 [PubMed - indexed for MEDLINE]

☐ **17:** Wilson GB, Bahm VJ. Related Articles

Synthesis and secretion of cystic fibrosis ciliary dyskinesia substances by purified subpopulations of leukocytes.
J Clin Invest. 1980 Nov;66(5):1010-9. No abstract available.
PMID: 7430342 [PubMed - indexed for MEDLINE]

☐ **18:** Wilson GB. Related Articles

Monospecific antisera, hybridoma antibodies, and immunoassays for cystic fibrosis protein.
Lancet. 1980 Aug 9;2(8189):313-4. No abstract available.
PMID: 6105457 [PubMed - indexed for MEDLINE]

☐ **19:** Kyong CU, Wilson GB, Fudenberg HH, Goust JM, Richardson P, Echerd J. Related Articles

Chorioretinitis with a combined defect in T and B lymphocytes and granulocytes. A new syndrome successfully treated with dialyzable leukocyte extracts (transfer factor).
Am J Med. 1980 Jun;68(6):955-61.
PMID: 6992573 [PubMed - indexed for MEDLINE]

☐ **20:** Wilson GB, Fudenberg HH, Jonsson HT Jr, Smith CL. Related Articles

Effects of dialyzable leukocyte extracts (DLE) with transfer factor activity on leukocyte migration in vitro. IV. Two distinct effects of DLE on leukocyte migration can be produced by prostaglandins.
Clin Immunol Immunopathol. 1980 May;16(1):90-102. No abstract available.
PMID: 7379353 [PubMed - indexed for MEDLINE]

Display Summary Sort Save Text Clip Add Order
Show: 20 Items 1-20 of 54 Page 1 of 3 Select page: 1 2 3

☐ **21:** Wilson GB, Walker JH Jr, Watkins JH Jr, Wolgroch D. Related Articles

Determination of subpopulations of leukocytes involved in the synthesis of alpha 1-antitrypsin in vitro.

Proc Soc Exp Biol Med. 1980 May;164(1):105-14. No abstract available.

PMID: 6990422 [PubMed - indexed for MEDLINE]

☐ **22:** Wilson GB, Newell RT, Burdash NM. Related Articles

Bovine dialyzable lymph node extracts have antigen-dependent and antigen-independent effects on human cell-mediated immunity in vitro.

Cell Immunol. 1979 Sep 15;47(1):1-18. No abstract available.

PMID: 315822 [PubMed - indexed for MEDLINE]

☐ **23:** Wilson GB. Related Articles

Cystic fibrosis protein, a confirmed diagnostic marker for detecting heterozygote carriers: significance in relation to future screening and to a proposed primary defect in alpha 2-macroglobulin.

Pediatr Res. 1979 Sep;13(9):1079-81. No abstract available.

PMID: 92006 [PubMed - indexed for MEDLINE]

☐ **24:** Wilson GB, Smith CL, Fudenberg HH. Related Articles

Effects of dialyzable leukocyte extracts (DLEs) with transfer factor activity on leukocyte migration in vitro. III. Characterization of the antigen-independent migration inhibition factor in DLEs as a neutrophil immobilizing factor.

J Allergy Clin Immunol. 1979 Jul;64(1):56-66.

PMID: 447952 [PubMed - indexed for MEDLINE]

☐ **25:** Wilson GB, Fudenberg HH. Related Articles

Effects of dialyzable leukocyte extracts with transfer factor activity on leukocyte migration in vitro. II. Separation and partial characterization of the components in DLE producing antigen-dependent and antigen-independent effects.

J Lab Clin Med. 1979 May;93(5):819-37.

PMID: 429877 [PubMed - indexed for MEDLINE]

☐ **26:** Wilson GB, Fudenberg HH, Horsmanheimo M. Related Articles

Effects of dialyzable leukocyte extracts with transfer factor activity on leukocyte migration in vitro. 1. Antigen-dependent inhibition and antigen-independent inhibition and enhancement of migration.

J Lab Clin Med. 1979 May;93(5):800-18.

PMID: 429876 [PubMed - indexed for MEDLINE]

☐ **27:** Paddock GV, Wilson GB, Wang AC. Related Articles

Contribution of hydrolyzed nucleic acids and their constituents to the apparent amino acid composition of biological compounds.
Biochem Biophys Res Commun. 1979 Apr 13;87(3):946-52. No abstract available.
PMID: 454437 [PubMed - indexed for MEDLINE]

☐ **28:** Wilson GB, Fudenberg HH, Paddock GV. Related Articles

Detection of "dialyzable transfer factor" in vitro: structural and chemical characterization of the activity specific for tuberculin.
Ann N Y Acad Sci. 1979;332:579-90. No abstract available.
PMID: 294834 [PubMed - indexed for MEDLINE]

☐ **29:** Wilson GB, Paddock GV, Fudenberg HH. Related Articles

The chemical nature of the antigen-specific moiety of transfer factor.
Trans Assoc Am Physicians. 1979;92:239-56. No abstract available.
PMID: 95068 [PubMed - indexed for MEDLINE]

☐ **30:** Wilson GB, Fudenberg HH. Related Articles

Separation of ciliary dyskinesia substances found in serum and secreted by cystic fibrosis leukocytes and lymphoid cell lines, using protein A--Sepharose CL-4B.
J Lab Clin Med. 1978 Sep;92(3):463-82. No abstract available.
PMID: 28374 [PubMed - indexed for MEDLINE]

☐ **31:** Wilson GB, Fudenberg HH. Related Articles

Is cystic fibrosis protein a diagnostic marker for individuals who harbor the defective gene?
Pediatr Res. 1978 Jul;12(7):801-4. No abstract available.
PMID: 693123 [PubMed - indexed for MEDLINE]

☐ **32:** Wilson GB, Fudenberg HH, Bahm VJ. Related Articles

Distinct components in dialyzable leukocyte extracts (DLE) have specific and nonspecific effects on cellular immunity as shown by leukocyte migration inhibition.
Trans Assoc Am Physicians. 1978;91:295-332. No abstract available.
PMID: 754397 [PubMed - indexed for MEDLINE]

☐ **33:** Wilson GB, Welch TM, Knapp DR, Horsmanheimo A, Fudenberg HH. Related Articles

Characterization of Tx, an active subfraction of human dialyzable transfer factor. I. Identification of the major component in TFg, a precursor of Tx, as hypoxanthine.
Clin Immunol Immunopathol. 1977 Nov;8(3):551-68. No abstract available.
PMID: 912950 [PubMed - indexed for MEDLINE]

☐ **34:** Wilson GB, Arnaud P, Fudenberg HH. Related Articles

Improved method for detection of cystic fibrosis protein in serum using the LKB multiphor electrofocusing apparatus.
Pediatr Res. 1977 Sep;11(9 Pt 1):986-9.
PMID: 904987 [PubMed - indexed for MEDLINE]

☐ **35:** Arnaud P, Koistinen J, Wilson GB, Fudenberg HH. Related Articles

alpha-1-antitrypsin (Pi) phenotypes in a Finnish population.
Scand J Clin Lab Invest. 1977 Jun;37(4):339-43.
PMID: 308256 [PubMed - indexed for MEDLINE]

☐ **36:** Wilson GB, Fudenberg HH. Related Articles

Studies on cystic fibrosis using isoelectric focusing. IV. Distinction between ciliary dyskinesia activity in cystic fibrosis and asthmatic sera and association of cystic fibrosis protein with the activity in cystic fibrosis serum.
Pediatr Res. 1977 Apr;11(4):317-24.
PMID: 846785 [PubMed - indexed for MEDLINE]

☐ **37:** Wilson GB, Welch TM, Fudenberg HH. Related Articles

Tx: a component in human dialyzable transfer factor that induces cutaneous delayed hypersensitivity in guinea pigs.
Clin Immunol Immunopathol. 1977 Mar;7(2):187-202. No abstract available.
PMID: 862252 [PubMed - indexed for MEDLINE]

☐ **38:** Wilson GB, Monsher MT, Fudenberg HH. Related Articles

Studies on cystic fibrosis using isoelectric focusing. III. Correlation between cystic fibrosis protein and ciliary dyskinesia activity in serum shown by a modified rabbit tracheal bioassay.
Pediatr Res. 1977 Feb;11(2):143-6.
PMID: 840504 [PubMed - indexed for MEDLINE]

☐ **39:** Wilson GB, Monsher MT, Fudenberg HH. Related Articles

Additional notes on the use of analytic isoelectric focusing for the detection of cystic fibrosis protein in serum.
Pediatr Res. 1977 Feb;11(2):139-41. No abstract available.
PMID: 840502 [PubMed - indexed for MEDLINE]

☐ **40:** Arnaud P, Wilson GB, Koistinen J, Fudenberg HH. Related Articles

Immunofixation after electrofocusing: improved method for specific detection of serum proteins with determination of isoelectric points. I. Immunofixation print technique for detection of alpha-1-protease inhibitor.
J Immunol Methods. 1977;16(3):221-31.
PMID: 17639 [PubMed - indexed for MEDLINE]

Display Summary Sort Save Text Clip Add Order
Show: 20 Items 21-40 of 54 Page 2 of 3 Select page: 1 2 3

1: Acta Virol 1988 Jan;32(1):6-18 Related Articles, Books

De novo initiation of specific cell-mediated immune responsiveness in chickens by transfer factor (specific immunity inducer) obtained from bovine colostrum and milk.

Wilson GB, Poindexter C, Fort JD, Ludden KD.

Amtron, Inc., Charleston, South Carolina.

Transfer factors (TF) were prepared from colostrum and milk of bovines previously immunized with antigens obtained from Coccidioides immitis, infectious bovine rhinotracheitis virus, or from the viral agents responsible for avian Newcastle disease, laryngotracheitis disease or infectious bursal disease. The ability of bovine TF to transfer specific cell-mediated immune responsiveness to a markedly xenogenic species was studied using specific pathogen free (SPF) and standard commercial (SC) chickens as model recipients. Cell-mediated immune responsiveness was documented using one or more of the following for each antigen (organism) studied: (a) an in vitro chicken leukocyte (heterophil) migration inhibition assay; (b) delayed-wattle reactivity; or (c) protection from clinical disease. Chicken TFs obtained from spleens of immune donors were evaluated in parallel to bovine TF's in selected comparative studies. Bovine TF also referred to as specific immunity inducer (SII), and chicken TF were found to initiate antigen-specific cell-mediated immunity de novo in previously non-immune SPF chickens as well as in SC chickens despite the presence of maternally acquired humoral antibody which may serve as a "barrier" to immunization of SC chickens when commercially available vaccines are administered by parenteral routes. Bovine TF's specific for laryngotracheitis virus or infectious bursal disease virus afforded protection equal to that found for commercially available vaccines. Bovine TF's action was rapid (less than a day) and of relatively long duration at least 35 days.

PMID: 2897772 [PubMed - indexed for MEDLINE]

1: Cancer Res 1974 Nov;34(11):3095-101 Related Articles, Books

In vitro transfer of cellular immunity against nasopharyngeal carcinoma using transfer factor from donors with Epstein-Barr virus antibody activity.

Brandes LJ, Goldenberg GJ.

PMID: 4371172 [PubMed - indexed for MEDLINE]

1: J Clin Lab Immunol 1984 May;14(1):49-57 Related Articles, Books

Epidermodysplasia verruciformis: response to therapy with dialyzable leukocyte extract (transfer factor) derived from household contacts.

Vasily DB, Miller OF, Fudenberg HH, Goust JM, Wilson GB.

Dialyzable leukocyte extracts (DLE) have been used to treat a variety of antigen selective, and broad spectrum immunodeficiency diseases with sometimes encouraging results. We describe here the clinical and laboratory responses to DLE therapy of 2 patients with epidermodysplasia verruciformis (EV), a chronic cutaneous infection with a variety of human papilloma viruses. One patient with longstanding (30 yr) disease and no improvement to previous therapy showed gradual yet definite resolution of extensive verrucae planae, plaque, tinea-versicolor-like, and tumor lesions scattered over his entire integument. Cessation of DLE therapy for a short time resulted in recurrence of partially regressed lesions and also in the development of new tumors in this patient. The second patient, a grandson of the first patient, with minimal disease showed no progression of the disease during DLE prophylaxis. A third subject (brother of patient number 2) received no DLE and served as a control. All 3 subjects demonstrated severely depressed levels of suppressor T cells, a defect in cell-mediated immunity that has not been hitherto reported in patients with EV. Finally, evidence is presented for a possible X-linked recessive mode of inheritance for susceptibility to EV.

PMID: 6086930 [PubMed - indexed for MEDLINE]

1: J Clin Lab Immunol 1984 Feb;13(2):51-8 Related Articles, Books

Guidelines for immunotherapy of antigen-specific defects with transfer factor.

Wilson GB, Fudenberg HH, Keller RH.

Dialyzable leukocyte extracts (DLE) containing transfer factor (TF) with documented specificity for one or more microbial antigens have shown previously variable clinical effectiveness in treating many infectious diseases caused by viruses, fungi, protozoa and mycobacteria. The efficacy has sometimes been strong, and at other times dubious, in treating patients with inherited or presumably "acquired" immunodeficiency diseases refractory to standard therapy. The recent development of assays for screening leukocyte donors of DLE, for monitoring recipients, and especially for determining the potency of various DLE preparations containing antigen-specific TF and for predicting the clinical course of disease have, in our hands, greatly improved the likelihood of successful immunotherapy with TF. Two representative cases are reported, one involving a patient with an antigen selective defect to Candida, and another involving a patient with an antigen selective defect to Mycobacterium fortuitum. Both patients responded as judged by laboratory tests and clinical improvement when treated with certain DLE preparations but not with others. Finally, certain DLE preparations appeared to suppress cell-mediated immunity in vivo and this suppression could be predicted by in vitro tests. Based on these results, guidelines for optimal therapy with DLE are proffered .

PMID: 6202873 [PubMed - indexed for MEDLINE]

1: Thymus 1984;6(3):167-80 Related Articles, Books

Dialyzable leukocyte extracts contain thymosin.

Wilson GB, Paddock GV, Floyd E, Newell RT, Dopson MH.

Trypsinization of human T-lymphocytes removes surface receptors which bind to sheep erythrocytes (E). Human dialyzable leukocytes extracts (DLE) and thymosin (Fraction V) have been shown to significantly increase the rate of regeneration of T-lymphocyte E-receptors. Both physical-chemical and immunochemical results reported herein indicate that the enhancing effect of human DLE preparations on the rate of regeneration of T-lymphocyte E-receptors is due at least in part to the presence of thymosin alpha 1-peptide in these preparations. Thymosin alpha 1-peptide purified from thymosin Fraction V and putative thymosin alpha 1 preparations purified from human DLEs were each active not only in increasing the rate of regeneration of T-lymphocyte E-receptors removed by trypsinization but also were active in vitro in markedly increasing the number of E-rosetting cells in two patients with immunodeficiency disease manifested in part as a reduction in the normal percentage of mature T-lymphocytes capable of forming E-rosettes.

PMID: 6464097 [PubMed - indexed for MEDLINE]

Treatment of Mycobacterium fortuitum pulmonary infection with "transfer factor" (TF): new methodology for evaluating TF potency and predicting clinical response.

Wilson GB, Metcalf JF, Fudenberg HH.

PMID: 7049471 [PubMed - indexed for MEDLINE]

1: Thymus 1982;4(6):335-50 Related Articles, Books

Bovine 'transfer factor': an oligoribonucleopeptide which initiates antigen-specific lymphocytes responsiveness.

Wilson GB, Paddock GV, Fudenberg HH.

Bovine transfer factor (TF)--active in initiating specific responsiveness in human thymus-derived (T) lymphocytes to purified protein derivative from Mycobacterium tuberculosis (PPD) in vitro--was partially purified from the dialyzable portion of medium from immune lymph node cells (DLNE). Its physiochemical properties and structure were determined by methods previously employed to characterize human PPD-specific TF isolated from dialyzable leukocyte extracts (DLE). Bovine TF had a molecular weight (MW) of 1100-3000, was destroyed by heating at 56 or 80 degrees C for 30 min, was soluble in water but not in phenol or ether, and could be precipitated with ethanol. Bovine TF activity eluted as a single peak after high-pressure reverse-phase liquid chromatography (HPLC); the active moiety contained at least one free co-planar cis-diol group, as shown by boronate affinity chromatography. Additional structural features were deduced by evaluating TF activity after incubation with various endonucleases, exonucleases, and peptidases, a phosphatase, and a protease. The combined results indicate that bovine TF specific for PPD is an oligoribonucleopeptide. A simplest case molecular model was constructed on the basis of the data obtained. A comparative evaluation of the physicochemical properties and structural features of bovine TF and human TF specific for PPD indicated striking similarities and some differences.

PMID: 6191411 [PubMed - indexed for MEDLINE]

Display Abstract Sort Save Text Clip Add Order

1: Thymus 1981 Feb;2(4-5):257-6 Related Articles, Books

Effects of dialyzable leukocyte extracts with transfer factor activity on leukocyte migration in vitro. V. Antigen-specific lymphocyte responsiveness can be initiated by two structurally distinct polyribonucleopeptides.

Wilson GB, Paddock GV, Fudenberg HH.

Human transfer factors (TF) active in specifically inducing responsiveness in human thymus-derived (T) lymphocytes previously nonresponsive to purified protein derivative from Myobacterium tuberculosis (PPD) or to Coccidioides immites (Cocci) in vitro were isolated from the dialyzable portion of extracts of immune leukocytes (DLE). Each TF segregated into two active fractions after high-pressure reverse-phase liquid chromatography (HPLC), suggesting the presence of two TF components in DLE for each antigen specificity. Determination of the structures of both TF components specific for PPD was accomplished by evaluating their activity after incubation with various endonucleases, exonucleases, phosphatases, peptidases and a protease. The results indicated that both PPD-specific TF components are oligoribonucleopeptides but that they are structurally distinct. Simplest-case molecular models were constructed on the basis of the data obtained.

PMID: 6165106 [PubMed - indexed for MEDLINE]

1: Am J Med 1980 Jun;68(6):955-61 Related Articles, Books

Chorioretinitis with a combined defect in T and B lymphocytes and granulocytes. A new syndrome successfully treated with dialyzable leukocyte extracts (transfer factor).

Kyong CU, Wilson GB, Fudenberg HH, Goust JM, Richardson P, Echerd J.

A patient with immune deficiency, recurrent pyogenic infections and active chorioretinitis is described; in addition to agammaglobulinemia, both quantitative and qualitative T-cell deficiencies were documented. Furthermore, the patient's granulocytes (polymorphonuclear leukocytes), although normal in their bactericidal capacity for Staphylococcus, responded poorly to both leukocyte migration inhibition factor and neutrophil immobilizing factor obtained from normal cells. The immunologic features of this patient appear to comprise a new syndrome. Remarkable diminution of the ocular lesions and increased visual acuity occurred within two months after the initiation of therapy with dialyzable leukocyte extracts (transfer factor). Concurrent testing of the patient's cell-mediated immunity showed increased numbers of circulating T lymphocytes and improved T-cell function following dialyzable leukocyte extract [DLE] therapy. The dramatic clinical results indicate that similar therapy may prove to be beneficial in other patients with chorioretinitis and T-cell deficiency.

PMID: 6992573 [PubMed - indexed for MEDLINE]

1: J Lab Clin Med 1979 May;93(5):819-37 Related Articles, Books

Effects of dialyzable leukocyte extracts with transfer factor activity on leukocyte migration in vitro. II. Separation and partial characterization of the components in DLE producing antigen-dependent and antigen-independent effects.

Wilson GB, Fudenberg HH.

Previous studies have shown that DLEs with TFd activity produce both Ag-dependent specific effects (mediated by TFd) and Ag-independent effects on CMl as demonstrated in vitro by agarose LMl. In the present study, Sephadex G-25 gel filtration provided a simple method for separating the DLE components responsible for each effect into distinct fractions. Ag-independent LMl was produced predominantly by Sephadex fraction l, of MW greater than 5000. The active components, further purified on Bio-Gel P-10, were shown to be of MW 14,000 to 17,000 and to contain both polypeptide and ribonucliotide material. The Ag-independent LMl activity was stable to heating at 56 degrees C for 30 min but was partially destroyed at 80 degrees C for 30 min, and the responsible components were shown to act on PMN directly. Ag-independent ELM was produced exclusively by material in Sephadex G-25 fraction V and also acted directly on PMN, whereas the Ag-dependent specific LMl activity was found predominantly in fraction lVb and to a lesser extent in fraction V and could not be detected in a direct assay using only PMN. In addition, a new activity, designated "Ag-dependent ELM activity," which caused increased migration in the presence of Ag, was found in Sephadex fraction lVa. This latter activity might mask the Ag-dependent LMl activity in fraciton lVb. Bio-Gel P-2 chromatography separated the components producing Ag-dependent and Ag-independent effects in fraction V into two separate subfractions (Va and Vb) of MW 1100 to 2000 and less than 900. The activity in fraction lVb eluted at a position identical to that of the components in fraction Va on Bio-Gel P-2. Fractions Va and Vb contained both polypeptide and ribonucleotide material. The Ag-dependent specific LMl or TFd activity was found to be partially inactivated at 56 degrees C and completely destroyed at 80 degrees C. The components responsible for this TFd activity were further purified by HPLC on ODS resin. The TFd activity was mediated by components with retention times much greater than that of adenosine 3'-monophosphate. The active fraction was composed of both polypeptide and ribonucleotide material but did not contain deoxyribonucleotides.

PMID: 429877 [PubMed - indexed for MEDLINE]

Effects of dialyzable leukocyte extracts with transfer factor activity on leukocyte migration in vitro. 1. Antigen-dependent inhibition and antigen-independent inhibition and enhancement of migration.

Wilson GB, Fudenberg HH, Horsmanheimo M.

The effects of DLE containing TFd activity from immune human donors on PBL, obtained from individuals nonresponsive to either PPD or Cocci antigen, were evaluated in vitro by the agarose LMl technique. Several different preparations of DLE were employed to evaluate the specificity and reproducibility of the effects: (1) from donors skin test positive to PPD but negative to Cocci, (2) from donors skin test negative to PPD but positive to Cocci, (3) from donors skin test positive to both antigens, and (4) from donors skin test negative to both antigens. With PBL from other human donors used as target cells in the direct agarose LMi technique, three types of effects were demonstrated for all preparations of DLE: (1) antigen-dependent specific LMl, (2) antigen-independent or nonspecific LMl, and (3) antigen-independent enhancement of migration. The demonstration of each activity was found to depend on the concentration of DLE used and the time allowed for migration. In experiments employing purified PMN and MNL as target cells and a two-step indirect LMl assay, it was shown that the antigen-independent effects resulted from the direct of components in DLE on PMN. The antigen-independent inhibition was shown not to result from toxic effects of DLE. It was produced by DLE but not by dialyzable liver or skin extracts when tested using an amount equivalent to DLE as judged by the absorbance at 260 and 280 nm. The antigen-dependent LMl was found to require secretion of a soluble mediator of molecular weight near 69,000, believed to be LMl. Our results indicate that the agarose LMl technique is a useful in vitro assay for studies of the mechanism of action of components in DLE which can specifically convert nonimmune lymphocytes to a measurable antigen-sensitive state (i.e., transfer factor). The antigen-independent effects of DLE may be responsible in part for previously reported nonspecific beneficial effects of DLE when used in immunotherapy.

PMID: 429876 [PubMed - indexed for MEDLINE]

NCBI PubMed National Library of Medicine NLM

PubMed Nucleotide Protein Genome Structure PopSet Taxonomy OMIM Books

Search PubMed for chronic fatigue syndrome Go Clear

Limits Preview/Index History Clipboard Details

Entrez PubMed

Display Summary Sort Save Text Clip Add Order

Show: 20 Items 1-20 of 2202 Page 1 of 111 Select page: 1 2 3 4 5 6 7 8 9 10 »

PubMed Services

Related Resources

1: Valentine AD, Meyers CA. Related Articles
Cognitive and mood disturbance as causes and symptoms of fatigue in cancer patients.
Cancer. 2001 Sep 15;92(6 Suppl):1694-8.
PMID: 11598889 [PubMed - in process]

2: Creswell C, Chalder T. Related Articles
Defensive coping styles in chronic fatigue syndrome.
J Psychosom Res. 2001 Oct;51(4):607-10.
PMID: 11595249 [PubMed - in process]

3: Van Houdenhove B, Neerinckx E, Onghena P, Lysens R, Vertommen H. Related Articles
Premorbid "overactive" lifestyle in chronic fatigue syndrome and fibromyalgia. An etiological factor or proof of good citizenship?
J Psychosom Res. 2001 Oct;51(4):571-6.
PMID: 11595245 [PubMed - in process]

4: Murdoch JC. Related Articles
Chronic fatigue syndrome.
Br J Gen Pract. 2001 Sep;51(470):758. No abstract available.
PMID: 11593850 [PubMed - in process]

5: Maquet D, Croisier JL, Crielaard JM. Related Articles
[What happens to the fibromyalgia syndrome]?
Ann Readapt Med Phys. 2001 Jul;44(6):316-25. French.
PMID: 11587673 [PubMed - in process]

6: Visser J, Graffelman W, Blauw B, Haspels I, Lentjes E, de Kloet ER, Nagelkerken L. Related Articles
LPS-induced IL-10 production in whole blood cultures from chronic fatigue syndrome patients is increased but supersensitive to inhibition by dexamethasone.
J Neuroimmunol. 2001 Oct 1;119(2):343-9.
PMID: 11585638 [PubMed - in process]

7: Kmietowicz Z. Related Articles
Exercise and cognitive behaviour therapy are best treatments for chronic fatigue syndrome.
BMJ. 2001 Sep 29;323(7315):710A. No abstract available.
PMID: 11576969 [PubMed - in process]

☐ **8:** LaManca JJ, Peckerman A, Sisto SA, DeLuca J, Cook S, Natelson BH. Related Articles

Cardiovascular responses of women with chronic fatigue syndrome to stressful cognitive testing before and after strenuous exercise.
Psychosom Med. 2001 Sep-Oct;63(5):756-64.
PMID: 11573024 [PubMed - in process]

☐ **9:** Zaman R, Puri BK, Main J, Nowicky AV, Davey NJ. Related Articles

Corticospinal inhibition appears normal in patients with chronic fatigue syndrome.
Exp Physiol. 2001 Sep;86(Pt 5):547-50.
PMID: 11571481 [PubMed - in process]

☐ **10:** Repka-Ramirez MS, Naranch K, Park YJ, Velarde A, Clauw D, Baraniuk JN. Related Articles

IgE levels are the same in chronic fatigue syndrome (CFS) and control subjects when stratified by allergy skin test results and rhinitis types.
Ann Allergy Asthma Immunol. 2001 Sep;87(3):218-21.
PMID: 11570618 [PubMed - indexed for MEDLINE]

☐ **11:** Tarello W. Related Articles

Chronic fatigue syndrome (CFS) associated with Staphylococcus spp. bacteremia, responsive to potassium arsenite 0.5% in a veterinary surgeon and his coworking wife, handling with CFS animal cases.
Comp Immunol Microbiol Infect Dis. 2001 Oct;24(4):233-46.
PMID: 11561958 [PubMed - in process]

☐ **12:** [No authors listed] Related Articles

Vopr Kurortol Fizioter Lech Fiz Kult. 2001 Jul-Aug;(4):32-4. Russian.
PMID: 11561303 [PubMed - in process]

☐ **13:** Wessely S. Related Articles

Chronic fatigue syndrome--trials and tribulations.
JAMA. 2001 Sep 19;286(11):1378-9. No abstract available.
PMID: 11560545 [PubMed - indexed for MEDLINE]

☐ **14:** Whiting P, Bagnall AM, Sowden AJ, Cornell JE, Mulrow CD, Ramirez G. Related Articles

Interventions for the treatment and management of chronic fatigue syndrome: a systematic review.
JAMA. 2001 Sep 19;286(11):1360-8. Review.
PMID: 11560542 [PubMed - indexed for MEDLINE]

☐ **15:** Hickie IB, Davenport TA, Hadzi-Pavlovic D, Koschera A, Naismith SL, Scott EM, Wilhelm KA. Related Articles

Development of a simple screening tool for common mental disorders in general practice.
Med J Aust. 2001 Jul 16;175 Suppl:S10-7.
PMID: 11556430 [PubMed - indexed for MEDLINE]

☐ **16:** De Becker P, McGregor N, De Meirleir K. Related Articles

A definition-based analysis of symptoms in a large cohort of patients with chronic fatigue syndrome.
J Intern Med. 2001 Sep;250(3):234-40.
PMID: 11555128 [PubMed - in process]

☐ **17:** Wilson A, Hickie I, Hadzi-Pavlovic D, Wakefield D, Parker G, Straus SE, Dale J, McCluskey D, Hinds G, Brickman A, Goldenberg D, Demitrack M, Blakely T, Wessely S, Sharpe M, Lloyd A. Related Articles

What is chronic fatigue syndrome? Heterogeneity within an international multicentre study.

Aust N Z J Psychiatry. 2001 Aug;35(4):520-7.
PMID: 11531735 [PubMed - in process]

☐ **18:** Gray D, Parker-Cohen NY, White T, Clark ST, Seiner SH, Achilles J, McMahon WM. Related Articles

A comparison of individual and family psychology of adolescents with chronic fatigue syndrome, rheumatoid arthritis, and mood disorders.

J Dev Behav Pediatr. 2001 Aug;22(4):234-42.
PMID: 11530896 [PubMed - in process]

☐ **19:** Fuentes K, Hunter MA, Strauss E, Hultsch DF. Related Articles

Intraindividual variability in cognitive performance in persons with chronic fatigue syndrome.

Clin Neuropsychol. 2001 May;15(2):210-27.
PMID: 11528543 [PubMed - indexed for MEDLINE]

☐ **20:** Inbar O, Dlin R, Rotstein A, Whipp BJ. Related Articles

Physiological responses to incremental exercise in patients with chronic fatigue syndrome.

Med Sci Sports Exerc. 2001 Sep;33(9):1463-70.
PMID: 11528333 [PubMed - indexed for MEDLINE]

Display Summary Sort Save Text Clip Add Order
Show: 20 Items 1-20 of 2202 Page 1 of 111 Select page: 1 2 3 4 5 6 7 8 9 10 »

1: Cancer 2001 Sep 15;92(6 Suppl):1694-8 Related Articles, Books, LinkOut

Cognitive and mood disturbance as causes and symptoms of fatigue in cancer patients.

Valentine AD, Meyers CA.

Department of Neuro-Oncology, The University of Texas M. D. Anderson Cancer Center, Houston, Texas.

Fatigue, cognitive dysfunction, and depression are very common in cancer patients. A relationship among the three entities is recognized but poorly understood. Factors that contribute to this poor understanding are the subjective nature of the symptoms, multiple potential causes, and a lack of reliable assessment tools. An understanding of fatigue in cancer patients may benefit from studies of chronic fatigue syndrome (CFS) and other nonmalignant diseases indicating that cognitive impairment varies with physical and mental fatigue, and that symptoms of depression experienced by patients with physical illnesses and primary mood disorders are qualitatively different. The multidimensional nature of fatigue suggests that interventions should be patient-specific. They could be related to lifestyle or involve the use of specific behavioral or pharmacologic therapies. As is the case with depression and cognitive disorders, targeted interventions against cancer-related fatigue will benefit from a better understanding of its potential biologic causes. Consideration of cognitive dysfunction and depression complicates the understanding of cancer-related fatigue; however, it provides opportunities to assist patients who must deal with this serious problem.

PMID: 11598889 [PubMed - in process]